

1 1. (Currently Amended) A method for visualizing and navigating documents in a graphical
2 user interface comprising:

3 generating a summary view of at least one document containing instances of
4 search terms using a condensed abstract representation depicting a search
5 term density distribution;
6 triggering an enhancement of said summary view by cursor brushing; and
7 navigating to at least one segment of said document by selecting a corresponding
8 portion of said summary view.

1 2-3. (Canceled).

1 4. (Currently Amended) The method of claim 1 further comprising generating document
2 metadata wherein said metadata includes at least one of: results of a speaker change search,
3 results of a stress analysis, topic headings, results of a topic change search, results of a speech
4 transcript search, audio features, audio amplitude data, number of accesses to a particular
5 document segment.

1 5. (Currently Amended) The method of claim 4 wherein said generating uses said document
2 metadata to depict said search term density distribution.

1 6. (Currently Amended) The method of claim 4 wherein the physical dimensions of said
2 summary view encode metadata values.

1 7. (Original) A system for visualizing and navigating documents in a graphical user interface
2 comprising:

3 a summary view of at least one document containing instances of search terms

4 including a condensed abstract representation depicting a search term

5 density distribution;

6 an enhancement of said summary view triggered by cursor brushing; and

7 at least one segment of said document navigated to by selecting a corresponding
8 portion of said summary view.

1 8-13. (Canceled)

1 14. (Original) The system of claim 7 wherein said summary view is displayed in a modified
2 version of said document.

1 15-16. (Canceled)

1 17. (Original) The system of claim 7 wherein said enhancement includes a hierarchy of said
2 representations, with each subsequent representation in said hierarchy depicting information
3 at an increased resolution.

1 18. (Original) The system of claim 7 wherein said document is a video file and said
2 enhancement includes a hierarchy of said representations and at least one video frame.

1 19. (Canceled)

1 20. (Original) The system of claim 7 wherein said document is collection of video files and
2 said enhancement includes a hierarchy of said summary views, with a first layer in the
3 hierarchy including information describing individual video files from said collection, and with
4 a second layer in the hierarchy including at least one video frame from said individual video
5 files.

1 21. (Canceled)

1 22. (Original) A system for visualizing and navigating documents in a graphical user
2 interface comprising:

3 means for generating a summary view of at least one document containing
4 instances of search terms using a condensed abstract representation
5 depicting a search term density distribution;
6 means for triggering an enhancement of said summary view by cursor brushing;
7 and
8 means for navigating to at least one segment of said document by selecting a
9 corresponding portion of said summary view.

1 23. (Currently Amended) A computer program product comprising a machine-readable
2 medium having computer-executable program instructions tangibly embodied thereon
3 including:

4 a first code means for generating a summary view of at least one document
5 containing instances of search terms using a condensed abstract
6 representation depicting a search term density distribution;

7 a second code means for triggering an enhancement of said summary view by
8 cursor brushing; and

9 a third code means for navigating to at least one segment of said document by
10 selecting a corresponding portion of said summary view.

REJECTION UNDER 35 U.S.C 112, SECOND PARAGRAPH

Applicants cancel claim 2 herein to advance prosecution.

REJECTIONS UNDER 35 U.S.C. 103(a)

In response to paragraph 5 of the Office Action, Applicants respectfully traverse the rejections but cancel certain rejected dependent claims as detailed below to advance prosecution.

Regarding the independent claims, the Examiner notes that Berkeley fails to teach cursor brushing and then asserts that North teaches triggering an enhancement of a summary view by cursory brushing. This assertion is incorrect; North does not mention cursor brushing at all. Instead, North teaches a system for selecting medical images using conventional window sliders to move a cutting plane through a set of three-dimensional digital image data to select "slices" for display. Applicants also note that North does not relate to instances of search terms at all, nor their density distributions, and thus does not generate a summary view as taught by the present invention.

The dependent claims are allowable for at least the reasons specified above due to their dependency on independent claims believed to be allowable. However, Applicants cancel claims 2-3, and 8-13 herein to advance prosecution. Claim 4 is amended to depend on claim 1, and claims 5-6 are amended to depend on claim 4. Applicants note that the cited prior art is silent as to the use of document metadata for generation of a summary view as taught in the present invention, and does not produce a modified version of a document as asserted.

Regarding paragraph 6 and claim 16, Windows NT teaches fold-out windows that present a hierarchical set of text choices to be navigated or selected. Windows NT neither teaches nor suggests displaying summary views as described by the present invention in fold-out windows. However, Applicants cancel claim 16 herein to advance prosecution.

Regarding paragraph 7 and claim 17, Applicants respectfully traverse the rejection and assert Tiongson is not a valid prior art reference against the present application (which was filed after November 29, 2000) under 35 U.S.C. 103, as its subject matter and the claimed invention were, at the time of the invention, commonly owned by IBM Corporation. See MPEP 706.02(1)(I) and the AIPA (Public Law 106-113, sec. 1000(a)(9), 113 Stat. 1501A-591 (S. 1948 sec. 4807)).

Regarding paragraph 8 and claims 18-20, Applicants cancel claim 19 herein to advance prosecution but respectfully traverse the rejection of claims 18 and 20. Liou teaches a system for providing a video directory including a video shot list and representative frames attached to a tree in chronological order for video editing. However, Liou does not teach or suggest an enhancement including a hierarchy of representations or summary views as in the present invention.

Regarding paragraph 9 and claim 21, Amir teaches a video storyboard composed of still frames from a video. Amir neither teaches nor suggests displaying a storyboard as an enhancement of a summary view as taught by the present invention. However, Applicants cancel claim 21 herein to advance prosecution.

Regarding paragraph 10 and claim 15, Gomes teaches an improved duplicate query result removal process that uses extracted snippets rather than entire documents for similarity comparison. Gomes neither teaches nor suggests displaying snippets as an enhancement as

taught by the present invention. However, Applicants cancel claim 15 herein to advance prosecution.

All pending claims are believed to be allowable as amended. The prior art made of record and not relied upon has been carefully reviewed. The Examiner is invited to call Applicants' undersigned representative if a telephone conference will expedite the prosecution of this application.

Respectfully submitted,

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